Number 1: January 1973

EFFECTS ON METABOLISM AND CARDIAC OUTPUT OF GLUCOSE-POTASSIUM SOLUTION, WITH AND WITHOUT INSULIN	
Emerson A. Moffitt, M.D., George D. Molnar, M.D., James R. Pluth, M.D., Roger D. White, M.D., and Dwight C. McGoon, M.D.	
PERMANENT ATRIAL PACING: IMPROVED METHODS OF ELECTRODE IMPLANTATION AND CURRENT THERAPEUTIC USES	1
Richard A. Perryman, M.B., and Will C. Sealy, M.D.	
AN IMPROVED MITRAL VALVE PROSTHESIS	2
Arthur C. Beall, Jr., M.D., George C. Morris, Jr., M.D., George P. Noon, M.D., Gene A. Guinn, M.D., George J. Reul, Jr., M.D., Edward A. Lefrak, M.D., and S. Donald Greenberg, M.D.	
CORONARY ARTERY BYPASS WITH INTERNAL MAMMARY AND SPLENIC ARTERY GRAFTS	3
W. Sterling Edwards, M.D., Charles E. Lewis, M.D., William R. Blakeley, M.D., and Len Napolitano, Ph.D.	
ATRIOPULMONARY SHUNT	4
Jorge O. Just Viera, M.D., Ernesto Rivé Mora, M.D., Olga L. Rodriguez, M.D., Pablo I. Altieri, M.D., and Carlos E. Girod, M.D.	
THE FREE INTERNAL MAMMARY ARTERY BYPASS GRAFT: USE OF THE IMA IN THE AORTA-TO-CORONARY ARTERY POSITION	5
Floyd D. Loop, M.D., Nick Spampinato, M.D., Chalit Cheanvechai, M.D., and Donald B. Effler, M.D.	
SCANNING ELECTRON MICROSCOPY OF ALVEOLAR SURFACE TOPOGRAPHY IN INDUCED ACUTE RESPIRATORY INSUFFICIENCY	5
Robert H. Liss, Ph.D., Farouk A. Molokhia, M.D., Benedict D. T. Daly, M.D., Thomas V. N. Ballantine, M.D., and John C. Norman, M.D.	

THE ADULT FORM OF PULMONARY HAMARTOMA: A REAPPRAISAL Malvin Weinberger, M.D., Gerard S. Kakos, M.D., and James W. Kilman, M.D.	67
ELECTRON MICROSCOPICAL OBSERVATIONS ON MEDIASTINAL NEUROLEMMOMA, NEUROFIBROMA, AND GANGLIONEUROMA	73
Maruf A. Razzuk, M.D., Harold C. Urschel, Jr., M.D., James A. Martin, Ph.D., William B. Kingsley, M.D., and Donald L. Paulson, M.D.	
Case Report	
SUCCESSFUL TREATMENT OF POSTINTUBATION SUBGLOTTIC STENOSIS WITH INTRALESIONAL STEROID INJECTIONS Lawrence 1. Bonchek, M.D.	.84
How to Do It	
MYOPLASTY FOR CLOSURE OF TRACHEOBRONCHIAL FISTULA Nicholas J. Demos, M.D., and Joseph J. Timmes, M.D.	88
Current Review	
NEWER DIAGNOSTIC TESTS IN THORACIC SURGERY: A PERSPECTIVE David B. Skinner, M.D.	94
News of the Societies	
THE SOUTHERN THORACIC SURGICAL ASSOCIATION MEMBERSHIP ROSTER	102
Notice from the Southern Thoracic Surgical Association	13
Notice from the American Board of Thoracic Surgery	40

Number 2: February 1973

Original Articles

MANAGEMENT OF INFANTS WITH LARGE VENTRICULAR SEPTAL
DEFECTS: RESULTS WITH TWO-STAGE SURGICAL TREATMENT

James Henry, M.D., Samuel Kaplan, M.D., James A. Helmsworth, M.D.,
and J. Tracy Schreiber, M.D.

SERIAL COAGULATION STUDIES IN PATIENTS UNDERGOING THE MUSTARD PROCEDURE	120
Anne L. Wedemeyer, M.D., Aldo R. Castaneda, M.D., J. Roger Edson, M.D., and William Krivit, M.D.	
PULMONARY BLOOD FLOW MEASUREMENTS FOLLOWING VENA CAVA-TO-PULMONARY ARTERY ANASTOMOSIS	128
Francis Robicsek, M.D., Walter P. Scott, M.D., Norris B. Harbold, M.D., Harry K. Daugherty, M.D., and Donald C. Mullen, M.D.	
FAILURE OF DEMAND FUNCTION IN TEMPORARY EPICARDIAL BIPOLAR PACEMAKER SYSTEMS	135
James D. Yates, M.D., and Thomas A. Preston, M.D.	
POSTOPERATIVE CHANGES IN AUTOLOGOUS FASCIA LATA HEART VALVE GRAFTS: A PATHOLOGICAL STUDY	140
Wieslaw T. Dubiel, M.D., Lennart Johansson, M.D., and Roger Willén, M.D.	
THE USE OF RATED BLOOD FLOW TO DESCRIBE THE OXYGENATING CAPABILITY OF MEMBRANE LUNGS	156
William F. Holdefer, M.D., and W. G. Tracy, B.S.	
CLINICAL APPLICATIONS OF FEMORAL VEIN-TO-ARTERY CANNULATION FOR MECHANICAL CARDIOPULMONARY SUPPORT AND BYPASS	163
Robert L. Berger, M.D., Virender K. Saini, M.D., and Everett L. Dargan, M.D.	
LONG-TERM MEMBRANE OXYGENATION IN RESPIRATORY FAILURE	170
William J. Rea, M.D., Jon W. Eberle, Ph.D., Roger R. Ecker, M.D., John Watson, Ph.D., and W. L. Sugg, M.D.	
MEASUREMENTS OF ALVEOLAR SAC DIAMETERS BY INCIDENT-LIGHT PHOTOMICROGRAPHY: EFECTS OF POSITIVE-PRESSURE RESPIRATION	179
Anthony P. Moreci, Ph.D., and John C. Norman, M.D.	
HEMORRHAGIC LUNG SYNDROME: HEMORRHAGIC LUNG INFARCTION FOLLOWING PULMONARY EMBOLECTOMY	187
C. M. Couves, M.D., S. S. Nakai, M.D., L. P. Sterns, M.D., J. C. Callaghan, M.D., and B. J. Sproule, M.D.	
PREVENTION OF PULMONARY EMBOLUS WITH VENA CAVAL UMBRELLA: RESULTS IN 150 PATIENTS	196
Thomas O. Orvald, M.D., George M. Callard, M.D., and James R. Jude, M.D.	
BILATERAL SIMULTANEOUS PLEURODESIS BY MEDIAN STERNOTOMY FOR SPONTANEOUS PNEUMOTHORAX	202
I Valuing MR T A Torde FFARCS and I S Wright FRACS	

67

73

84

Contents of	Volume 1	5. la	nuary_	Iune.	1973

		_	_
How	to	Do	T+

PACEMAKER WIRE EXTENSION FOR PERMANENT AND TEMPORARY PACING
T. Z. Lajos, M.D.

Note

A METAL RING MARKER FOR THE PROXIMAL END OF AN AORTA-TO-CORONARY ARTERY GRAFT

Chalit Cheanvechai, M.D., and Donald B. Effler, M.D.

Editorial

- MEDICAL DEVICE STANDARDS AND THE THORACIC AND CARDIOVASCULAR SURGEON

 W. Gerald Rainer, M.D.
- Correspondence 215

Frederick K. Vontz, M.D., Sam E. Myrick, Ir., M.D., and John R. Ibach, Ir., M.D.

Notice from the American Board of Thoracic Surgery

Number 3: March 1973

- THE EFFECT ON PULMONARY ULTRASTRUCTURE OF DACRON-WOOL FILTRATION DURING CARDIOPULMONARY BYPASS Reid S. Connell, Ph.D., U. Scott Page, M.D., Thomas D. Bartley, M.D., John C. Bigelow, M.D., and Michael C. Webb
- EFFECTS OF EXTRACORPOREAL CIRCULATION UPON BLOOD LIPIDS

 Jack E. Arrants, M.D., Richard H. Gadsden, Ph.D., Mary B. Huggins, B.S., and William H. Lee, Jr., M.D.

 GUIDELINES FOR MINIMAL STANDARDS IN CARDIOVASCULAR

 243
- William H. Muller, Jr., M.D., Albert Starr, M.D., Dwight C. McGoon, M.D., Robert M. Smith, M.D., and Norman E. Shumway, M.D.

THE SAFETY OF COMBINED AORTIC VALVE REPLACEMENT AND CORONARY BYPASS GRAFTING	249
Richard P. Anderson, M.D., Lawrence I. Bonchek, M.D., James A. Wood, M.D., Richard P. Chapman, M.D., and Albert Starr, M.D.	
RETROGRADE PRESSURES AND FLOWS IN CORONARY ARTERIAL DISEASE	256
Watts R. Webb, M.D., Frederick B. Parker, Jr., M.D., and John F. Neville, Jr., M.D.	
PULMONARY AND CARDIOVASCULAR IMPLICATIONS OF DRUG ADDICTION	263
William L. Joseph, M.D., H. Stephen Fletcher, M.D., Joseph M. Giordano, M.D., and Paul C. Adkins, M.D.	
PLASTIC TUBE PROSTHESIS FOR THE SURGICAL TREATMENT OF PERFORATIONS IN ESOPHAGEAL STRICTURES	275
Jozsef Imre, M.D.	
How to Do It	
SURGICAL CORRECTION OF TRANSPOSITION OF THE GREAT VESSELS: TECHNICAL CONSIDERATIONS	281
Harold M. Albert, M.D., Robert Carter, M.D., and Bert A. Glass, M.D.	
CONTROL OF PROXIMAL SUBCLAVIAN ARTERIAL INJURY WITH INTERNAL SHUNT CATHETER	285
Donald B. Doty, M.D., Chamnahn Kongtahworn, M.D., and Johann L. Ehrenhaft, M.D.	
Case Reports	
PRIMARY ENDOBRONCHIAL MYXOMA	287
Herand Abcarian, M.D., Hwa Ta Lee, M.D., and Walter L. Barker, M.D.	
MULTIPLE CIRCUMSCRIBED PULMONARY HEMATOMAS MASQUERADING AS METASTATIC CARCINOMA	291
Richard M. Engelman, M.D., Arthur D. Boyd, M.D., Manfred Blum, M.D., and Melvin H. Worth, M.D.	
PLEURAL EFFUSION AND FIBROSIS SECONDARY TO SANSERT ADMINISTRATION	295
Jeffrey M. Dunn, M.D., and Herbert Sloan, M.D.	
Note	
LOCATION OF THE PROXIMAL LEFT ANTERIOR DESCENDING CORONARY ARTERY George Robinson, M.D.	299

Contents of	f Volume	15, January	-June,	1973
-------------	----------	-------------	--------	------

Current Review

TRACHEOBRONCHIAL	RECONSTRUCTION	30
A. P. Naef, M.D.		

Editorials

BLOOD FILTRATION DURING EXTRACORPOREAL CIRCULATION	313
J. Donald Hill, M.D.	
*	
HOW MANY OPEN HEADTS	917

News of the Societies

J. Gordon Scannell, M.D.

THE SOCIETY OF THORACIC SURGEONS, 1973	-1974
OFFICERS	319
MEMBERS	32

Notice from The Society of Thoracic Surgeons	248
Notice from the American Board of Thoracic Surgery	284
Notice from the Southern Thoracic Surgical Association	312

Number 4: April 1973

TREATMENT OF CARCINOMA OF THE ESOPHAGUS AND GASTRIC CARDIA WITH CONCENTRATED PREOPERATIVE IRRADIATION FOLLOWED BY EARLY OPERATION: A PROGRESS REPORT	333
Laurence K. Groves, M.D., and Antonio Rodríguez-Antúnez, M.D.	
THE VALUE OF CHEST WALL RESECTION IN THE TREATMENT OF SUPERIOR SULCUS TUMORS OF THE LUNG	339
Marvin M. Kirsh, M.D., Richard Dickerman, M.D., Juan Fayos, M.D., Isadore Lampe, M.D., Ronald V. Pellegrini, M.D., Otto Gago, M.D., and Herbert Sloan, M.D.	
HYPOKALEMIA: PHYSIOLOGICAL ABNORMALITIES DURING	347

CARDIOPULMONARY BYPASS													
Kent	A	Vasko	DVM	Richard	A	DeWall	MD	and	Ann	M	Riley	R.N	

IN VIVO DETERMINATION OF RENAL TISSUE OXYGENATION DURING PULSATILE AND NONPULSATILE LEFT HEART BYPASS	354
N. D. Mukherjee, M.D., A. V. Beran, B.S., J. Hirai, M.D., A. Wakabayashi, M.D., D. R. Sperling, M.D., W. F. Taylor, M.D., and J. E. Connolly, M.D.	
MYOCARDIAL CONTRACTILE FORCE AS INFLUENCED BY DIRECT CORONARY SURGERY	364
Peter Hairston, M.D., Walter H. Newman, Ph.D., and Herman B. Daniell, Ph.D.	
LONG-TERM ANATOMICAL RESULTS OF INTRACARDIAC REPAIR OF TETRALOGY OF FALLOT	371
Ricardo Ceballos, M.D., and John W. Kirklin, M.D.	
EXPERIENCE WITH PERICARDIECTOMY	378
Richard H. Dean, M.D., Duncan A. Killen, M.D., Rollin A. Daniel, Jr., M.D., and Harold A. Collins, M.D.	
FRACTURED STERNUM WITH FLAIL CHEST AND POSTTRAUMATIC PULMONARY INSUFFICIENCY SYNDROME: REPORT OF 4 PATIENTS	386
Meredith L. Scott, M.D., James F. Arens, M.D., and John L. Ochsner, M.D.	
REPAIR OF ANTEROSEPTAL VENTRICULAR ANEURYSM	394
William S. Stoney, M.D., William C. Alford, Jr., M.D., George R. Burrus, M.D., and Clarence S. Thomas, Jr., M.D.	
RUPTURE OF THE AORTA: A DIAGNOSTIC TRIAD	405
Panagiotis N. Symbas, M.D., Denis H. Tyras, M.D., R. Edwin Ware, M.D., and Charles R. Hatcher, Jr., M.D.	
Case Reports	
SURGICAL TREATMENT OF MYCOTIC ANEURYSM ASSOCIATED WITH COARCTATION OF THE AORTA	411
H. Newland Oldham, Jr., M.D., Joseph F. Phillips, M.D., Paul H. Jewett, M.D., and James T. Chen, M.D.	
RUPTURED MYCOTIC ANEURYSM COMPLICATING COARCTATION OF THE AORTA	419
Stanley J. Bodner, M.D., Zell A. McGee, M.D., and Duncan A. Killen, M.D.	
ISOLATED MASSIVE CHYLOPERICARDIUM Miklós Csanády, M.D., and Gábor S. Kovács, M.D.	427
CLOTH DISRUPTION IN THE STARR-EDWARDS COMPOSITE MITRAL VALVE PROSTHESIS	434
Clarence S. Thomas, Jr., M.D., Duncan A. Killen, M.D., William C. Alford, Jr., M.D., George R. Burrus, M.D., and William S. Stoney, M.D.	
Editorial	
MANAGEMENT OF LONGITUDINAL STRICTURE RESULTING FROM REFLUX ESOPHAGITIS	43

John E. Rayl, M.D., and Jeffrey R. Balison, M.D.

Correspondence

Nicholas J. Demos, M.D.

Notice from the American Board of Thoracic Surgery 346

Notice from the Southern Thoracic Surgical Association 353

Erratum 363

442

443

452

456

463

474

510

Number 5: May 1973

Original Articles

AN IMPROVED SURGICAL TECHNIQUE FOR THE COMPLICATED HIATAL HERNIA WITH GASTROESOPHAGEAL REFLUX

Harold C. Urschel, M.D., Maruf A. Razzuk, M.D., Richard E. Wood, M.D., Nicoll F. Galbraith, M.D., and Donald L. Paulson, M.D.

RECURRENT TRACHEOESOPHAGEAL FISTULA

William Stanford, Col, Raymond G. Armstrong, Lt Col, Robert E. Cline, Maj, and M. J. Williams, Col, all MC, USAF

TRACHEAL STENOSIS FOLLOWING CUFFED TUBE TRACHEOSTOMY: ANATOMICAL VARIATION AND SELECTED TREATMENT

Armand A. Lefemine, M.D., Kenneth MacDonnell, M.D., and Hyung S. Moon, M.D.

PRIMARY MALIGNANT TUMORS OF THE ESOPHAGUS OTHER THAN TYPICAL EPIDERMOID CARCINOMA

Alan D. Turnbull, M.D., Peter Rosen, M.D., John T. Goodner, M.D., and Edward J. Beattie, M.D.

REPLACEMENT OF SUPERIOR VENA CAVA WITH AUTOGENOUS TISSUE: AN EXPERIMENTAL STUDY

Robert E. Miller, Col, MC, USA, Neil J. Corneil, Capt, VC, USA, and Francis J. Sullivan, Ph.D.

SUPERIOR VENA CAVAL OBSTRUCTION SECONDARY TO 483
FIBROSING MEDIASTINITIS

Robert E. Miller, Col, MC, USA, and Francis J. Sullivan, Ph.D.

HEMODYNAMIC OBSERVATIONS DURING AND AFTER
PULMONARY ARTERY BANDING
493

Joe R. Utley, M.D.

A SIMPLE, SAFE, AND RAPID TECHNIQUE FOR THE MANAGEMENT OF RECURRENT COARCTATION OF THE AORTA

Clarence S. Weldon, M.D., Alexis F. Hartmann, Jr., M.D., Neil G. Steinhoff, M.D., and James D. Morrissey, M.D.

SERIAL EJECTION TIMES IN PATIENTS REQUIRING MULTIPLE AORTIC VALVE REPLACEMENTS	520
Alfred F. Parisi, Maj, Eliot Schechter, Lt Col, and William Stanford, Col, all MC, USAF	
Collective Review	
THE CARDIAC LYMPHATICS	520
R. Randolph Bradham, M.D., and Edward F. Parker, M.D.	
Case Report	
MULTIPLE TRANSECTIONS OF THE THORACIC AORTA SECONDARY TO BLUNT TRAUMA	53
George E. Cimochowski, Maj, Peter J. Barcia, Maj, Tom R. DeMeester, Lt Col, Louie H. Griffin, Lt Col, and Malcolm E. Fishback, Col, all MC, USA	
Note	
USE OF THE ULNAR ARTERY FOR MONITORING ARTERIAL BLOOD PRESSURES AND BLOOD GASES	54
Paramjeet S. Chopra, M.D., George M. Kroncke, M.D., G. C. Dacumos, M.D., William P. Young, M.D., and Donald R. Kahn, M.D.	
How to Do It	
A NEW METHOD OF STERNAL APPROXIMATION	54
Joseph J. Timmes, M.D., Sidney Wolvek, Marco Fernando, M.D., Maurice Bas, M.D., and Joyce Rocko, M.D.	
TUBE MILKING DEVICE	54
Harvey J. Engelsher, M.D.	
Editorial	
THE IMPORTANCE OF DEFINING LOCATION AND STAGING OF SUPERIOR PULMONARY SULCUS TUMORS	54
Donald L. Paulson, M.D.	
Notice from the Southern Thoracic Surgical Association	45
Notice from The Society of Thoracic Surgeons	55

3

Number 6: June 1973

WHITHER IN MATURITY?	553
Benson B. Roe, M.D.	
A PROPOSED NEW TECHNIQUE FOR CORRECTION OF TRANSPOSITION OF THE GREAT ARTERIES C. E. Anagnostopoulos, M.D.	565
SEVERE CONGENITAL PULMONARY STENOSIS WITH PULMONARY VALVULAR DYSPLASIA SYNDROME: DIAGNOSTIC AND SURGICAL EXPERIENCE IN 3 CHILDREN	570
Richard M. Schieken, M.D., Sidney Friedman, M.D., and William S. Pierce, M.D.	
SURGICAL PALLIATION OF SINGLE VENTRICLE WITH PULMONARY STENOSIS	578
Michael P. Holden, M.D., Fergus J. Macartney, M.D., and Marian I. Ionescu, M.D.	
SURGERY FOR POSTINFARCTION VENTRICULAR ANEURYSM	588
Gideon Merin, M.D., Thomas T. Schattenberg, M.D., James R. Pluth, M.D., Robert B. Wallace, M.D., and Gordon K. Danielson, M.D.	
MITRAL VALVE REPLACEMENT WITH VIABLE AORTIC HOMOGRAFT VALVES	592
Lorenzo Gonzalez-Lavin, M.D., and Theodore X. O'Connell, M.D.	
CLINICAL EXPERIENCE WITH AN IMPROVED MITRAL VALVE PROSTHESIS	601
Arthur C. Beall, Jr., M.D., George C. Morris, Jr., M.D., Jimmy F. Howell, Jr., M.D., Gene A. Guinn, M.D., George P. Noon, M.D., George J. Reul, Jr., M.D., Jack J. Greenberg, M.D., and Jay L. Ankeney, M.D.	
USE OF CONTINUOUS POSITIVE AIRWAY PRESSURE IN THE IMPROVED POSTOPERATIVE MANAGEMENT OF NEONATAL RESPIRATORY EMERGENCIES	607
J. Alex Haller, Jr., M.D., James S. Donahoo, M.D., John J. White, M.D., Patricia C. Moynihan, M.D., and Antonio G. Galvis, M.D.	
EMPYEMA AFTER PNEUMONECTOMY	615
George L. Zumbro, Jr., Maj, Robert Treasure, Col, James P. Geiger, M.D., Col (Ret), and David C. Green, Col, all MC, USA	
SYMPTOMATIC HISTOPLASMOSIS IN CHILDREN	622
Gerard S Kahas M.D. and James W Kilman M.D.	

Case Reports

ANEURYSM OF THE SINUS OF VALSALVA RESULTING FROM 628
BACTERIAL ENDOCARDITIS

E. Carmack Holmes, M.D., Carl E. Bredenberg, M.D., and Robert K. Brawley, M.D.

THORACIC WALL DESMOID TUMOR IN A CHILD

Paul J. P. Bolanowski, M.D., and Diller B. Groff, M.D.

Note

A SIMPLE METHOD TO FACILITATE DIFFICULT INTRAAORTIC 636 BALLOON INSERTIONS

David Bregman, M.D., Hooshang Bolooki, M.D., and James R. Malm, M.D.

How to Do It

CONTOURED KNITTED DACRON BAFFLE FOR REPAIR OF TRANSPOSITION OF THE GREAT VESSELS 640

Denton A. Cooley, M.D., Don C. Wukasch, M.D., and Frank M. Sandiford, M.D.

Collective Review

SYSTEMIC MYCOSES-PRIMARY PATHOGENIC FUNGI

Maruf A. Razzuk, M.D., Harold C. Urschel, Jr., M.D., and Donald L. Paulson, M.D.

Editorial

- SPECIAL TRAINING PROGRAMS IN THORACIC SURGERY
 Myron W. Wheat, Jr., M.D.
 661
- Review of Recent Books 665
 - Notice from the Southern Thoracic Surgical Association 627

 Notice from The Society of Thoracic Surgeons 666